

Spectrum  
Division of United Industries Corp.  
P.O. Box 15842  
St. Louis, MO 63114

# Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200

## Hazardous Material Identification System-(HMIS)

HEALTH - 1

REACTIVITY - 0

FLAMMABILITY - 3

PERSONAL - None

**I Trade Name:** Unscented Cutter Outdoorsman Insect Repellent

**Product Type:** Insect Repellent Aerosol

**EPA Registration Number**

**Manufacturer**

**Emergency Telephone No.**

121-66

Chemisco  
8494 Chapin Industrial Drive  
St. Louis, MO 63114

**For Chemical Emergency:** 1-800-633-2873  
**For Information:** 1-800-332-5553  
**Prepared by:** H.L. Pauls  
**Date Prepared:** October 4, 1994

## II Hazardous Ingredients/Identity Information

Chemical	%	OSHA PEL	ACGIH TLV
N,N-diethyl-m-Tolamide (DEET)	30	NA	NA
CAS #134-62-3			
SDA-40 Ethanol	45	NA	1000 ppm
CAS #64-17-5			
Isobutane	20	NE	NE
CAS #75-28-5			

## III Physical and Chemical Characteristics

**Appearance and Odor:** Clear, colorless or pale yellow liquid with ethanolic odor.

**Boiling Point:** 75°C

**Vapor Pressure:** 43mm @ 20°C

**Specific Gravity:** 0.885 @ 72°F (H<sub>2</sub>O=1)

**Vapor Density:** 1.6

**% Volatile (by vol.):** 65

**Solubility in Water:** Not known

**Evaporation Rate:** Approx. 1 (BuOAc=1)

## IV Fire and Explosion Hazard Data

**Flash Point:** 55°F (TCC)

**Flame Extension:** 18" (Level 2 Aerosol)

**Flammable Limits:** Lower: 3.3% Upper: 19.0%

**Autoignition Temp.:** 793°F

**Fire Extinguishing Media:** CO<sub>2</sub>, Foam, or Dry Chemical

**Decomposition Temp.:** N/A

**Special Fire-Fighting Procedures:** For small fires: Use CO<sub>2</sub> or dry chemical extinguisher. For large fires: Use copious amounts of water.

**Unusual Fire and Explosion Hazards:** See section VII

## V Reactivity Data

**Stability:** Stable

**Polymerization:** Will not occur

**Conditions to Avoid:** None

**Incompatible Materials:** May soften or damage some synthetics such as rayon. May damage leather.

**Hazardous Decomposition or Byproducts:** None

## VI Health Hazard Data

**Ingestion (Swallowing):** Harmful if swallowed. **First Aid:** Consult a physician or poison control.

**Eye Contact:** May cause eye injury. **First Aid:** Immediately flush eyes with plenty of water. Get medical attention.

**Skin Contact:** If skin reaction occurs, wash with soap and water. Get medical attention if irritation persists.

**Inhalation Toxicity:** Avoid breathing spray mist or using in enclosed places. **First Aid:** Remove to fresh air.

**Special Notes:** Apply only to skin or clothing, do not ingest. Keep out of eyes. Frequent reapplication or saturation is unnecessary.

**Health Conditions Aggravated by Exposure:** None Known

**Ingredients listed by NTP, OSHA or IARC as Carcinogens or potential carcinogens:** None

## VII Precautions for Safe Handling and Use

**Steps to be Taken in Case Material is Released or Spilled:** Flammable material. Remove all possible ignition sources. Wipe up with absorbent material. Wash small quantities away with soapy water. Prevent bulk quantities from entering open sewers and waterways.

**Waste Disposal:** This material is flammable and must be disposed of in accordance with Local, State, and Federal regulations. Do not puncture or incinerate empty container; dispose of properly.

**Handling & Storage Precautions:** Keep away from heat, sparks or open flame. Do not expose treated skin to fire, sparks or flame until liquid has dried.

## VIII Control Measures

Read and follow label directions. They are your best guide to using this product effectively, and give necessary safety precautions to protect your health.

## IX Transportation Data

**DOT Shipping Name - Consumer Commodity**  
**DOT Hazard Class - ORM-D**

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